

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	Atty. Docket
MICHEL P.B. VAN BRUGGEN et al.	NL 020663
Serial No. 10/520,311	Group Art Unit: 2183 Conf. No.: 2504
Filed: January 5, 2005	Examiner: Vijayakumar, Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

PETITION UNDER 37 CFR §1.48(a)

Sir:

This is a Petition under 37 CFR §1.48(a) to add inventors Andreas Krell and Thomas Hutzler to the above identified patent application.

A Declaration signed by all the inventors, Statements of Facts, authorization to charge the Petition fee, and the written consent of the assignees (Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. and Koninklijke Philips Electronics N.V.) are submitted herewith.

Appl. No. 10/923,278
Petition dated June 7, 2005
Addition of inventor under 37 CFR §1.48(a)

Please charge the fee for this petition under 37 CFR
§1.17(i) to deposit account 14-1270.

Respectfully submitted,

By Frank J. Keegan
Frank J. Keegan,
Reg. No. 50,145
Attorney
January 17, 2007
(914) 333-9669

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "**Transparent Polycrystalline Aluminium Oxide**" the specification of which (check only one item below):

☐ is attached hereto.

☒ was filed as United States application

Serial No 10/520,311

on 05 January 2005

and was amended

on 05 January 2005

☒ was filed as PCT international application

Number PCT/IB2003/02874

On 25 June 2003

and was amended under PCT Article 19

on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119
Europe	02077783.5	10 July 2002	YES

Combined Declaration For Patent Application and Power of Attorney (Continued)
(includes Reference to PCT International Applications)

Attorneys Docket Number
PHNL020663 US

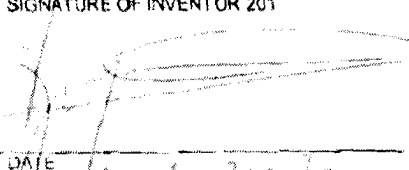
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

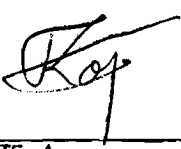
Jack E. Haken, Reg. No. 26,907
Michael E. Marion, Reg. No. 32,266
Edward M. Blocker, Reg. No. 30,245



Direct Telephone Calls to:
(name and telephone number)
(914)332-0222

201	FULL NAME OF INVENTOR	FAMILY NAME VAN BRUGGEN	FIRST GIVEN NAME Michel	SECOND GIVEN NAME Paul Barbara
	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	CITY 5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands
202	FULL NAME OF INVENTOR	FAMILY NAME KOP	FIRST GIVEN NAME Theo	SECOND GIVEN NAME Arnold
	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	CITY 5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202
	
DATE 10-1-2007	DATE

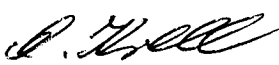
Combined Declaration For Patent Application and Power of Attorney (Continued) (includes Reference to PCT International Applications)				Attorneys Docket Number PHNL020663 US	
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)					
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32, 266 Edward M. Blocker, Reg. No. 30,245				Direct Telephone Calls to: (name and telephone number) (914)332-0222	
201	FULL NAME OF INVENTOR	FAMILY NAME VAN BRUGGEN	FIRST GIVEN NAME Michel	SECOND GIVEN NAME Paul Barbara	
	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands	COUNTRY OF CITIZENSHIP The Netherlands	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	CITY 5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands	
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	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	CITY 5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.					
SIGNATURE OF INVENTOR 201			SIGNATURE OF INVENTOR 202		
					
DATE			DATE <i>Jan. 8, 2007</i>		

Combined Declaration For Patent Application and Power of Attorney (Continued) (includes Reference to PCT International Applications)				Attorneys Docket Number PHNL020663 US	
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)					
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32, 266 Edward M. Blocker, Reg. No. 30,245				Direct Telephone Calls to: (name and telephone number) (914)332-0222	
203	FULL NAME OF INVENTOR	FAMILY NAME KEURSTEN	FIRST GIVEN NAME Theodora	SECOND GIVEN NAME Antonia Petra Maria	
	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands	COUNTRY OF CITIZENSHIP The Netherlands	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	CITY 5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands	
204	FULL NAME OF INVENTOR	FAMILY NAME KRELL	FIRST GIVEN NAME Andreas	SECOND GIVEN NAME	
	RESIDENCE & CITIZENSHIP	CITY Dresden	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Altkaitz 7	CITY D-01217 Dresden	STATE & ZIP CODE/COUNTRY Germany	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.					
SIGNATURE OF INVENTOR 203 			SIGNATURE OF INVENTOR 204 		
DATE <i>January 09, 2007.</i>			DATE <i>Aug. 11, 2006</i>		

Combined Declaration For Patent Application and Power of Attorney (Continued) (includes Reference to PCT International Applications)				Attorneys Docket Number PHNL020663 US	
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)					
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32, 266 Edward M. Blocker, Reg. No. 30,245				Direct Telephone Calls to: (name and telephone number) (914)332-0222	

203	FULL NAME OF INVENTOR	FAMILY NAME KEURSTEN	FIRST GIVEN NAME Theodora	SECOND GIVEN NAME Antonia Petra Maria
	RESIDENCE & CITIZENSHIP	CITY Eindhoven	STATE OR FOREIGN COUNTRY The Netherlands	COUNTRY OF CITIZENSHIP The Netherlands
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Prof. Holstlaan 6	CITY 5656 AA Eindhoven	STATE & ZIP CODE/COUNTRY The Netherlands
204	FULL NAME OF INVENTOR	FAMILY NAME KRELL	FIRST GIVEN NAME Andreas	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Dresden	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Altkaitz 7	CITY D-01217 Dresden	STATE & ZIP CODE/COUNTRY Germany

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SIGNATURE OF INVENTOR 203	SIGNATURE OF INVENTOR 204 	
DATE	DATE <i>Aug. 11, 2006</i>	

Combined Declaration For Patent Application and Power of Attorney (Continued) (includes Reference to PCT International Applications)	Attorneys Docket Number PHNL020663 US
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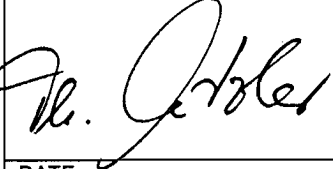
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Jack E. Haken, Reg. No. 26,902
Michael E. Marion, Reg. No. 32, 266
Edward M. Blocker, Reg. No. 30,245

Direct Telephone Calls to:
(name and telephone number)
(914)332-0222

205	FULL NAME OF INVENTOR	FAMILY NAME HUTZLER	FIRST GIVEN NAME Thomas	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Dresden	STATE OR FOREIGN COUNTRY Germany	COUNTRY OF CITIZENSHIP Germany
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Burgkstrasse 19	CITY D-01159 Dresden	STATE & ZIP CODE/COUNTRY Germany
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 if Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 205 	SIGNATURE OF INVENTOR 206
DATE Aug. 22, 2006	DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311

Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005

Examiner: Vijayakumar,
Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Honorable Commissioner for Patents

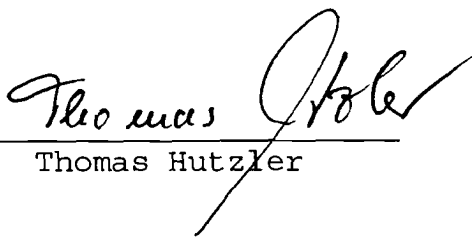
PO Box 1450

Alexandria, Virginia 22313-1450

STATEMENT OF FACTS UNDER 37 CFR §1.48(a)(2)

Sir:

I, Thomas Hutzler, hereby state that I was omitted from being listed as an inventor in error and that the error occurred without deceptive intention on my part.



Thomas Hutzler

Aug. 22, 2006
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

MICHEL P.B. VAN BRUGGEN et al. NL 020663

Serial No. 10/520,311

Group Art Unit: 2183

Conf. No.: 2504

Filed: January 5, 2005

Examiner: Vijayakumar,
Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Honorable Commissioner for Patents

PO Box 1450

Alexandria, Virginia 22313-1450

STATEMENT OF FACTS UNDER 37 CFR §1.48(a)(2)

Sir:

I, Andreas Krell, hereby state that I was omitted from being listed as an inventor in error and that the error occurred without deceptive intention on my part.



Andreas Krell



Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	Atty. Docket
MICHEL P.B. VAN BRUGGEN et al.	NL 020663
Serial No. 10/520,311	Group Art Unit: 2183 Conf. No.: 2504
Filed: January 5, 2005	Examiner: Vijayakumar, Kallambella M.

Title: Transparent Polycrystalline Aluminium Oxide

Honorable Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

CONSENT OF ASSIGNEE UNDER 37 CFR §1.48(a)(5)

Sir:

Fraunhofer-Gesellschaft zur Förderung der angewandten
Forschung e.V. hereby consents to the correction of
inventorship by addition of Andreas Krell and Thomas
Hutzler.

A 37 CFR 3.73(b) certification is attached herewith.



Printed Name: _____
Authorized Representative

Date: 28/09/04

Dr. Helmut Schubert
Head of Patent Department
Fraunhofer-Gesellschaft zur Förderung
der angewandten Forschung e.V.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.Application No./Patent No./Control No.: 10/520,311 Filed/Issue Date: January 5, 2005Entitled: Transparent Polycrystalline Aluminium OxideFraunhofer-Gesellschaft (full name as shown above), a corporation

(Name of Assignee)

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is 50 %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or a true copy of the original assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


Signature

28/09/06
Date

Printed or Typed Name **Dr. Helmut Schubert**
Head of Patent Department
Fraunhofer-Gesellschaft zur Förderung
Title **der angewandten Forschung e.V.**

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PHNL020663 US

ASSIGNMENT

The undersigned, Andreas KRELL of Altkaitz 7, 01217 Dresden, Federal Republic of Germany; Thomas HUTZLER of Burgkstrasse 19, 01159 Dresden, Federal Republic of Germany, hereby declare that they are applicants of U.S. patent application Serial No. 10/520,311 which is a 371 of international application No. PCT/IB03/02874, filed with the IB of WIPO on the 25th June 2003 and entitled: "Transparent polycrystalline aluminium oxide" and they further declare that they assign herewith their rights to this invention, as far as the United States of America are concerned, to: **FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG e.V.** of Hansastrasse 27c, 80686 Munich, Federal Republic of Germany.

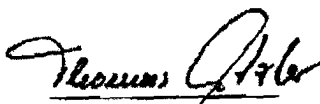
In testimony whereof they have hereunto set their signatures.

Location *Dresden,*
Date: *May 17, 2006*



Andreas KRELL

Location *Dresden,*
Date: *May 17, 2006*


Thomas HUTZLER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	Atty. Docket
MICHEL P.B. VAN BRUGGEN et al.	NL 020663
Serial No. 10/520,311	Group Art Unit: 2183 Conf. No.: 2504
Filed: January 5, 2005	Examiner: Vijayakumar, Kallambella M.
Title:	Transparent Polycrystalline Aluminium Oxide

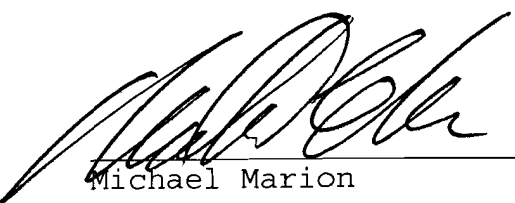
Honorable Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

CONSENT OF ASSIGNEE UNDER 37 CFR §1.48(a)(5)

Sir:

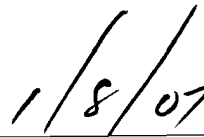
Koninklijke Philips Electronics N.V. hereby consents
to the correction of inventorship by addition of Andreas
Krell and Thomas Hutzler.

A 37 CFR 3.73(b) certification is attached herewith.



Michael Marion
Authorized Representative

PK
1/5/07



1/8/07

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Koninklijke Philips Electronics N.V.Application No./Patent No./Control No.: 10/520,311 Filed/Issue Date: January 5, 2005Entitled: Transparent Polycrystalline Aluminium OxideKoninklijke Philips Electronics N.V.

(Name of Assignee)

, a corporation

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is 100 %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 017273, Frame 0833, or a true copy of the original assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Frank J. Keegan
Signature

January 17, 2007

Date

Frank J. Keegan, reg. no. 50,145

Printed or Typed Name

914-333-9669

Telephone Number

Corporate Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.